

# PRODUCT DATASHEET

## DP FLEX TH 1200 P 34W ML 865 IP66

DAMP PROOF FLEX THROUGHWIRING | Flexible damp-proof luminaires with through-wiring and Multi Lumen function



### Areas of application

- Industrial and storage facilities
- Workshops, assembly lines
- Passages, underpasses
- Parking garages
- Underground parking



### Product benefits

- Uniform light distribution
- Easy upgradeability of light source and driver (EVERLOOP design)
- Enables participation in funding programs in certain countries to replace light source and driver
- Easy access to electrical terminal thanks to end caps with twist and lock mechanism
- Easy installation as mounting brackets can be positioned freely on the luminaire
- Tool-free electrical connection due to push button connector
- Energy savings of up to 66 % (compared to luminaires that use fluorescent lamps)
- Low flicker  $\leq 5$  %

### Product features

- High luminous efficacy: up to 165 lm/W
- Lifetime (L80/B50): up to 100,000 h (at 25 °C)
- Housing and diffuser material: polycarbonate (PC)
- Multi Lumen function: power steps selectable



- Through-wiring 3x1.5mm<sup>2</sup> already installed
- Beam angle: 120°
- Protection rating: IP66
- Impact resistance: IK08

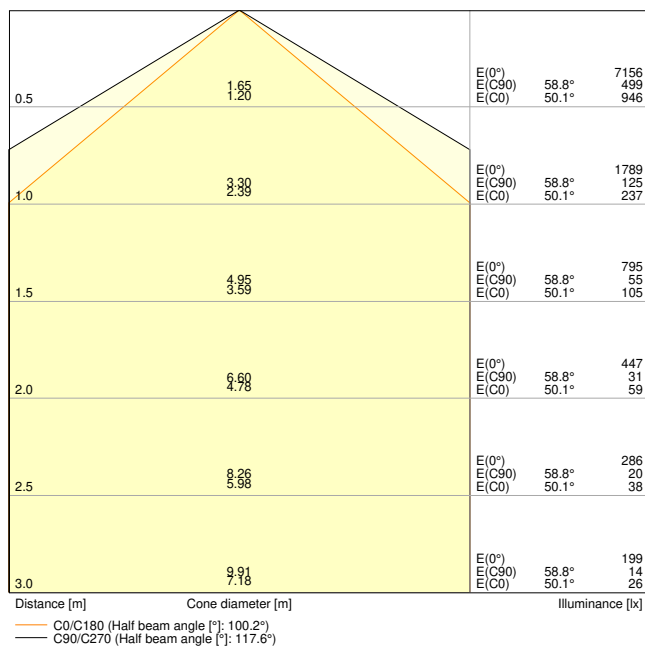
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**TECHNICAL DATA****Electrical data**

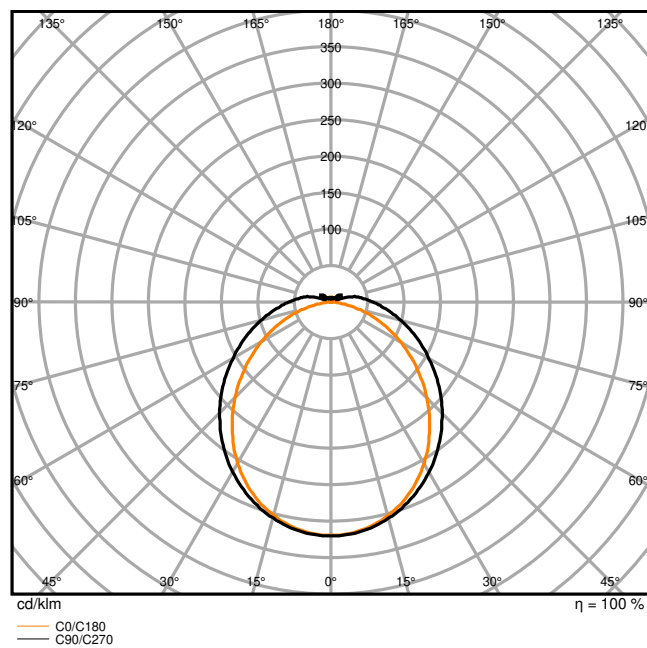
|                                                             |                           |
|-------------------------------------------------------------|---------------------------|
| Nominal wattage                                             | 34 W / 31 W / 26 W / 19 W |
| Nominal voltage                                             | 220...240 V               |
| Mains frequency                                             | 0/50/60 Hz                |
| Nominal current                                             | 153/128/119/90 mA         |
| Inrush current                                              | 20 A                      |
| Inrush current time $T_{h50}$                               | 187 $\mu$ s               |
| Max. number of luminaires per miniature circuit breaker B16 | 26                        |
| Max. number of luminaires per miniature circuit breaker C10 | 28                        |
| Max. number of luminaires per miniature circuit breaker C16 | 42                        |
| Power factor $\lambda$                                      | $\geq 0.90$               |
| Total harmonic distortion                                   | $\leq 23$ %               |
| Protection class                                            | II                        |
| Operating mode                                              | Integrated LED driver     |

**Photometrical data**

|                                              |                                       |
|----------------------------------------------|---------------------------------------|
| Luminous flux                                | 5600 lm / 5100 lm / 4300 lm / 3100 lm |
| Luminous efficacy                            | 165 lm/W / 163 lm/W                   |
| Color temperature                            | 6500 K                                |
| Light color (designation)                    | Cool Daylight                         |
| Color rendering index Ra                     | > 80                                  |
| Standard deviation of color matching         | $\leq 5$ sdc <sub>m</sub>             |
| Low flicker                                  | Yes                                   |
| Flickering metric (Pst LM)                   | $\leq 1$                              |
| Stroboscope effect metric (SVM)              | < 0.4                                 |
| Photobiological safety group acc. to EN62778 | RG0                                   |
| Beam angle                                   | 120 °                                 |
| UGR                                          | $\leq 25.4$                           |



DP FLEX TH 1200 P 34W ML 865 IP66



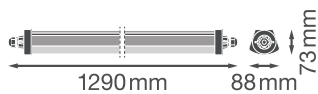
DP FLEX TH 1200 P 34W ML 865 IP66

## Adjustable attributes

| Nominal wattage | Color temperature | Luminous flux | Luminous efficacy |
|-----------------|-------------------|---------------|-------------------|
| 34 W            | 6500 K            | 5600 lm       | 165 lm/W          |
| 31 W            | 6500 K            | 5100 lm       | 165 lm/W          |
| 26 W            | 6500 K            | 4300 lm       | 165 lm/W          |
| 19 W            | 6500 K            | 3100 lm       | 163 lm/W          |

## Dimensions &amp; Weight

|                |            |
|----------------|------------|
| Length         | 1290.00 mm |
| Width          | 88.00 mm   |
| Height         | 73.00 mm   |
| Product weight | 1225.00 g  |



DP FLEX TH

Materials & Colors

|                                            |                    |
|--------------------------------------------|--------------------|
| Product color                              | Gray               |
| Housing color                              | Gray               |
| RAL Color (most similar)                   | RAL 7045           |
| Body material                              | Polycarbonate (PC) |
| Cover material                             | Polycarbonate (PC) |
| Light emitting surface material            | Polycarbonate (PC) |
| Glow Wire Test according to IEC 60695-2-12 | 850 °C             |
| Mercury content                            | 0.0 mg             |

Application & Mounting

|                                        |                                      |
|----------------------------------------|--------------------------------------|
| Ambient temperature range              | -30...+50 °C                         |
| Temperature range at storage           | -40...+80 °C                         |
| Type of connection                     | Screwless terminal, 3-Pole (N, E, L) |
| Type of protection                     | IP66                                 |
| Protection class IK (shock resistance) | IK08                                 |
| Dimmable                               | No                                   |
| Mounting type                          | Suspended/Surface                    |
| Mounting location                      | Ceiling                              |
| Application environment                | Indoor                               |
| With light source                      | Yes                                  |
| Replaceable light source               | Yes                                  |

Lifespan

|                           |                        |
|---------------------------|------------------------|
| Lifespan L70/B50 at 25 °C | 100000 h <sup>1)</sup> |
|---------------------------|------------------------|

|                            |                        |
|----------------------------|------------------------|
| Lifespan L80/B10 at 25 °C  | 100000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 100000 h               |
| Lifespan L90/B10 at 25 °C  | 61000 h                |
| Number of switching cycles | 100000                 |

<sup>1)</sup> t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

### Control gear

|                             |            |
|-----------------------------|------------|
| Output current              | 225/125 mA |
| ECG - Output ripple current | 5 %        |

### Emergency lighting

|                                  |      |
|----------------------------------|------|
| Type of emergency operation test | None |
|----------------------------------|------|

### Certificates & Standards

|                                                      |                                       |
|------------------------------------------------------|---------------------------------------|
| Standards                                            | CE / CB / ENEC / TÜV SÜD / UKCA / EAC |
| Luminaire with limited surface temperature, "D sign" | Yes                                   |
| Ball shot safe                                       | No                                    |

### Additional product data

|                |                                                                                                                 |
|----------------|-----------------------------------------------------------------------------------------------------------------|
| Product remark | When used in very cold applications as in cold storage, a special membrane might be required to ensure lifetime |
| Added function | EVERLOOP / MULTI SELECT                                                                                         |

## EQUIPMENT / ACCESSORIES

- Stainless steel clamps with safety screws included
- Mounting accessories included (suspension kit, theft protection kit)
- EVERLOOP luminaire: upgrades and replacements available

### Upgrade and replacement components

| Components Light Source                                                            |                                   |               |
|------------------------------------------------------------------------------------|-----------------------------------|---------------|
| Product image                                                                      | Product name                      | EAN           |
|  | LISOEV 1150X35 54 34W 865 DP FLEX | 4099854522185 |
| Components Driver                                                                  |                                   |               |

| Product image                                                                     | Product name                  | EAN           |
|-----------------------------------------------------------------------------------|-------------------------------|---------------|
|  | DR DS-P -40/220-240/475 L NSV | 4099854258497 |

### Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.

### DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name                      |
|------------------------------------------------------------------------------------|----------------------------------------|------------------------------------|
|    | User instruction / safety instructions | DP FLEX TH                         |
|    | Legal information                      | Safety Insert G11201420            |
|   | Legal information                      | Informationstext 18 Abs 4 ElektroG |
|  | Legal information                      | LSI DP FLEX TH IP66                |
|  | Legal information                      | Legal Insert DP HE                 |
|  | Declarations of conformity             | DP FLEX TH                         |
|  | Declarations of conformity UKCA        | DP FLEX TH                         |
|  | Certificates                           | DAMP PROOF FLEX TH                 |

| Photometric and lighting design files                                              |                     | Document name                     |
|------------------------------------------------------------------------------------|---------------------|-----------------------------------|
|  | IES file (IES)      | DP FLEX TH 1200 P 34W ML 865 IP66 |
|  | LDT file (Eulumdat) | DP FLEX TH 1200 P 34W ML 865 IP66 |
|  | ULD file (DIALux)   | DP FLEX TH 1200 P 34W ML 865 IP66 |

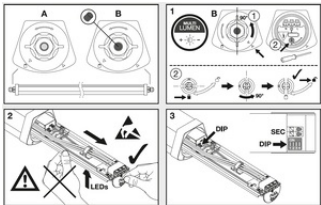
| Photometric and lighting design files                                             |                                     | Document name                                           |
|-----------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------|
|  | ROLF file (RELUX)                   | DP FLEX TH 1200 P 34W ML 865 IP66                       |
|  | UGR file (UGR table)                | DP FLEX TH 1200 P 34W ML 865 IP66                       |
|   | Light distribution curve type cone  | DP FLEX TH 1200 P 34W ML 865 IP66                       |
|   | Light distribution curve type polar | DP FLEX TH 1200 P 34W ML 865 IP66                       |
| CAD/BIM files                                                                     |                                     | Document name                                           |
|  | BIM Revit 3D                        | Damp Proof Flex                                         |
|  | CAD STEP 3D                         | DP FLEX TH 1200                                         |
| Tender texts                                                                      |                                     | Document name                                           |
|  | Tender documents                    | DAMP PROOF FLEX THROUGHWIRING 1200 P 34W ML 865 IP66-en |

LOGISTICAL DATA

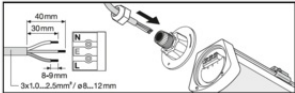
| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854440625 | Folding box<br>1             | 1,328 mm x 95 mm x 78 mm             | 1457.00 g    | 9.84 dm <sup>3</sup>  |
| 4099854440632 | Shipping box<br>6            | 1,350 mm x 248 mm x 215 mm           | 9881.00 g    | 71.98 dm <sup>3</sup> |

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION



| Model                             | Power (W) | Beam angle (°) | Light output (lm) | Beam diameter (mm) | Mounting height (mm) | Weight (kg) |
|-----------------------------------|-----------|----------------|-------------------|--------------------|----------------------|-------------|
| DP FLEX TH 1200 P 34W ML 865 IP66 | 34        | 120            | 3400              | 1200               | 1200                 | 0.15        |
| DP FLEX TH 1200 P 34W ML 865 IP66 | 34        | 120            | 3400              | 1200               | 1200                 | 0.15        |
| DP FLEX TH 1200 P 34W ML 865 IP66 | 34        | 120            | 3400              | 1200               | 1200                 | 0.15        |
| DP FLEX TH 1200 P 34W ML 865 IP66 | 34        | 120            | 3400              | 1200               | 1200                 | 0.15        |
| DP FLEX TH 1200 P 34W ML 865 IP66 | 34        | 120            | 3400              | 1200               | 1200                 | 0.15        |
| DP FLEX TH 1200 P 34W ML 865 IP66 | 34        | 120            | 3400              | 1200               | 1200                 | 0.15        |





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## References / Links

– For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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## DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.